

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT
HOME SCIENCE (CBCS SCHEME)
M.A. SEMESTER- II
Effective From 2014-2015

Sr. No.	Course Type	Subject	T	P	Total Credits	marks ext. (30 Theory + 20 Practical)	marks int.
1	CCT- 04	Food Science	3	1	4	50	20
2	CCT-05	Interior Decoration- II	3	1	4	50	20
3	CCT-06	Apparel Designing- II	3	1	4	50	20
4	ECT-02	Educational Psychology	4		4	50	20
5	ICT- 02	Research Methodology	4	-	4	50	20
6	SOC-02	Term Paper	2	-	2		

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

M.A. (SEMESTER – II)

HOME SCIENCE – CCT- 04

FOOD SCIENCE

With Effect From 2014 – 2015

Total credits- 04

Theory- 3 Credits

Practical- 1 Credit

Theory- External - 30 Marks

Internal - 10 Marks

Practical-External - 20-Marks

Internal - 10 Marks

FOCUS : This course deals with nutrients and components in different foods & their behavior while cooking . It also enables the students to understand the change that take place in specific foods.

OBJECTIVES :

- 1 To learn the composition of food & changes that occur during preparation .
- 2 To learn the methods of food preparation which relation to nutrients.

COURSE CONTENT

THEORY

UNIT – I

1:1 Introduction to Food Science :

- (i) Food in relation to health
- (ii) Physicochemical properties of foods
- (iii) (a) Colloids (b) Gels (c) Emulsion (d) Foams (e) Bound water in foods

1:2 Preliminary preparations

UNIT – II

2:1 Fats & Oils :

- (i) Nutritional Importance
- (ii) Composition
- (iii) Processing & refining of fats
- (iv) Specific fats
- (v) Emulsions
- (vi) Rancidity
- (vii) Smoking point
- (viii) Role of fat /oil in cooking

UNIT – III

3:1 **Vegetables :**

- (i) Classification
- (ii) Composition & Nutritive value
- (iii) Pigments
- (iv) Organic acids
- (v) Enzymes
- (vi) Flavour compounds
- (vii) Vegetable cookery
- (viii) Loss of nutrients during cooking
- (ix) Effect of cooking on pigments
- (x) Fungai as vegetable
- (xi) Role of vegetables in cookery

3:2 **Fruits :**

- (i) Classification
- (ii) Composition & Nutritive value
- (iii) Post harvest changes & storage
- (iv) Enzymatic browning
- (v) Ascorbic acid browning

UNIT – IV

4.1 **Nuts & Oil seeds_:**

- (i) nutritive value
- (ii) Specific nuts & oil seeds – (a) Coconut (b) Groundnut (c) Soyabean
- (iii) Toxins
- (iv) Forms of nuts used in cookery
- (v) Role of nuts & oil seeds in cookery

4:2 **Flesh Foods :**

- (A) Meat – (I) Structure (II) Composition & nutritive value
(III) Meat cookery (IV) Changes during cooking
(V) Methods of cooking
- (B) Poultry – (I) Classification (II) Composition & nutritive value
(III) Preservation (IV) Cookery
- (C) Fish : – (I) Classification (II) Composition & nutritive value
(III) Fish cookery (IV) Spoilage
(V) Preservation & Storage

PRACTICALS

- 1 Preliminary preparations for various cooking , their meaning , advantage and disadvantages (Demonstration)
 - (1) Cleaning
 - (2) Peeling & stirring
 - (3) Cutting & grating
 - (4) Sieving
 - (5) Soaking
 - (6) Processing
 - (7) Blanching
 - (8) Marinating
 - (9) Fermentation
 - (10) Sprouting
 - (11) Grinding
 - (12) Drying
 - (13) Filtering
 - (14) Roasting
2. Making of various masalas used for various cooking (Demonstration)
 - (1) Chaat masala
 - (2) Sambhar masala
 - (3) Garam masala
 - (4) Kashmiri garam masala
 - (5) Curry masala
 - (6) Rasam masala
 - (7) Panch Phoram
3. Punjabi cooking :
 - (1) Soup
 - (2) Starter
 - (3) Subji
 - (4) Rice
 - (5) Dal
 - (6) Salad
 - (7) Roti /Stuffed paratha /Naans /Bhaturas /Kulchas
4. Mexican cooking :
 - (1) Drinks & Soups
 - (2) Salads
 - (3) Dips & Starters
 - (4) Main dishes
5. Indian sweets :
 - (1) Rasgullas & Variations
 - (2) Halwas & Pinnis
6. Mukhwas :
 - (1) Dhana dal
 - (2) Green goli
 - (3) Dadam churna
 - (4) Sweet amloliya
 - (5) Green variali

MARKING SCHEME :

- | | |
|---|-----------------|
| 1. Journal | 04 Marks |
| 2. Preparation for various cooking / masalas / basic recipes
(to write only) | 02 Marks |
| 3. Preparation of full meal | 10 Marks |
| 4. Indian sweet | 02 Marks |
| 5. Mukhwas | 02 Marks |
| Total | 20 Marks |

REFERENCES :

1. Bennion, M. & Huges O. Introductory Foods
2. Belle and Lowe ' Experimental Cookery ' John Wiley & Sons
3. Charley Helen ' Food Science ' Ronald publications
4. Burton T. Benjamin ' Human Nutrition ' Tata McGrow Hill, New Delhi
5. Fitch & Francis ' Foods & Principles of Cookery '
6. B. Srilakshmi ' Food Science '
7. Mudambi Sumati R. ' Human Nutrition , Principles & Application In India'
8. Phillip Thungham ' Modern Cookery for Teaching & Trade '

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

M.A. (SEMESTER – II)

HOME SCIENCE – CCT- 05

INTERIOR DECORATION - II

With Effect From 2014 – 2015

Total credits- 04

Theory- 3 Credits

Practical- 1 Credit

Theory- External - 30 Marks

Internal - 10 Marks

Practical-External - 20-Marks

Internal - 10 Marks

COURSE CONTENT

THEORY

UNIT – I

1:1 **Principles of Design** - Meaning, Origin, Types, Psychological effects, etc.

a) Proportion,

b) Balance,

c) Harmony,

d) Emphasis,

e) Rhythm

Application of Principles of Design in- (1) Home, (2) Art objects,

(3) Showcase , (4) Furniture, (5) Flower arrangements, (6) Floral art

UNIT-II

2:1 Accessories - Selection factors, uses, placement of accessories

List- Types of Paintings, Clocks, Books, Sculptures, Miniatures, Mirrors,

Candle holders, Bowls and Vases Natural objects Screens Dividers, Plants,

Living Pets , Fish plant aquarium

Pictures – Types, Framing, Arranging, Size and shape, Hanging Pictures,

UNIT -III

3:1 **Walls**-Definition, Material and construction, Durability, Maintenance, Insulation,

Applied finishes on walls,- paints – Types , Varnishes, Wall Paper- Types, Wall

coverings like Wall board, Metal Linoleum, Wood Ceramic tiles, Wall

Decorations- Stencil, Painting- Murals, Okali Kala, Lipan nkam with mirrors,

Warli , etc.

3:2 **Window Treatments**- a) Exterior- Awnings, Shutters, Grills, Fences, Trellis

b) Interior- Rollers Shades, Blinds, Curtains- Headings, Cornices-Pelmets, Valances, Swags, Jabots, Cascades, Accessories for curtain- Hooks, Cords Rods, Tie Backs etc.

3:3 **Ceilings-** Meaning, Importance, Shape, Direction, materials colour , texture, Ceiling Decorations

UNIT-IV

4:1 **Flower Arrangement-** Definition, Purposes, Equipments and material needed, Selection of Containers, Elements and Principles of flower arrangement, Types of flower arrangement, Japanese flower arrangement, Ikebana, Styles- Moribana and Nageire, Kubari – Meaning, Making of Kubari, Indoor Plants, Terrace Garden

4:2 a) **Interior Designer and his role-** Characteristics of proper Designer, Fees of designer role, Ethics and professional conduct of designer

b) Professional practice- The client practice, Procedure of execution, Pert/ CPM

PRACTICALS:

1 Application of Principles of design in-

- (i) Flower arrangement
- (ii) Show case
- (iii) Floral art
- (iv) Furniture arrangement
- (v) Clip two pictures of any room and analyze it.

2 Walls & windows

- 1 Make wall decorations-Okali art, Warli Painting, Stencil Painting, Graphics, Graffiti, Painting Techniques and Textures etc.
- 2 Make various types of curtains (minimum 10 types)
- 3 Flower Arrangement- Fresh and dry flower arrangement

MARKING SCHEME:

Journal	04 Marks
Class Work	02 Marks
Principles of Design	04 Marks
Walls / Flower Arrangement	04 Marks
Curtains	06 Marks
Total Marks	20 Marks

REFERENCES:

- 1 Anna, Hong Rutt,: Home Furnishing
- 2 Faulkner and Falkner,: Inside Today` s Home
- 3 Faulkner, Ziogefeld and Hill,: Art Today
- 4 Ford and Ford,: Design of Modern Interiors
- 5 Goldstein and Goldstein,: Art In Everyday Life

MAGAZINES:

- 1 Inside Outside
- 2 Interiors

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

M.A. (SEMESTER – II)

HOME SCIENCE – CCT- 06

Apparel Designing - II

With Effect From 2014 – 2015

Total credits- 04

Theory- 3 Credits

Practical- 1 Credit

Theory- External - 30 Marks

Internal - 10 Marks

Practical-External - 20-Marks

Internal - 10 Marks

OBJECTIVES:-

- 1 To make the students aware of fashion trends and fashion cycle.
- 2 To help the students learn figure analysis for apparel designing.
- 3 To make the students aware of human proportions and design garments accordingly.

COURSE CONTENT

THEORY

UNIT- I

- 1:1 Methods of Clothing Construction
- (A) Drafting
 - (B) Flat Pattern
 - (i) Slash & Spread method.
 - (ii) Pivot method
 - (C) Draping method
 - (i) Basic pattern on Dress form
 - (a) Basic Upper Block
 - (b) Basic Lower Block
 - (ii) Dart Manipulation

UNIT- II

- 2:1 Selection of dresses for following figures
- (i) Stout Figure
 - (ii) Thin Figure
 - (iii) Narrow Shoulders
 - (iv) Broad Shoulders
 - (v) Large Bust
 - (vi) Flat Chest
 - (vii) Large Hips
 - (viii) Large Abdomen
 - (ix) Long Neck
 - (x) Short or Thick Neck

UNIT- III

3:1 Selection of Dress for Abnormal figure:-

- (i) Points to be taken into consideration while selecting a dress for different abnormal figures.
- (ii) Methods of proper fitting

UNIT- IV

4:1 Common Fitting Problems and their Solution.

PRACTICALS

Designing and stitching following garments for special occasion

- (1) Katori blouse with surface ornamentation
- (2) Prepare sari with ornamentation
- (3) Chaniya choli.

MARKING SCHEME

Journal	04 Marks
Class Work	06 Marks
Make basic block	05 Marks
Make a garment	05 Marks
Total	20 Marks

REFERENCES:-

- 1 Anna Jacob Thomas, The Art of sewing, UBS Publishers, Distributors Ltd., New Delhi.
- 2 Bane A, Flat Pattern Design, Mcgraw Hill
- 3 Bray Natali, Dress Pattern Designing, London, Crossby, Lockwood & Staples.
- 4 Brenda M, The Techniques of Dress Design.
- 5 Goldstein & Goldstein, Art in everyday life, IBH Publishing Co.
- 6 Goselle, D.A & Nerta B. Figure types and size ranges.
- 7 Helen L. Brokman, The Theory of Fashion Design, John Wiley & Sons. Inc. New York
- 8 Jindal Ritu, Handbook of Fashion Designing- best drafting techniques, Mittal Publications, New Delhi, 1998.
- 9 Raul Jewel, Encyclopedia of Dress Making, APH Publishing Corporation, New Delhi.

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT
M.A. (SEMESTER – II)
HOME SCIENCE – ECT- 02
EDUCATIONAL PSYCHOLOGY
With Effect From 2014- 2015

Total credits- 04
Theory- 4 Credits

Theory- External - 50 Marks
Internal - 20 Marks

OBJECTIVES :

The course is designed to promote an understanding of the application of Psychological Principles in the process of education. It is envisaged that students will develop skills of analysis and synthesis of theoretical approaches to education and will be able to critically evaluate various applications of psychology in educational settings.

COURSE CONTENT
THEORY

UNIT-1:

- 1:1 Nature, Scope and function of Educational psychology,
 - Psychology of Teaching
- 1:2 Intelligence and its measurement,
 - Types of Tests.

Unit-2:

- 2:1 Personality traits and their evaluation
- 2:2 Educational implications of individual differences.

Unit-3:

- 3:1 Techniques of evaluation
- 3:2 Education for Health and safety.

Unit-4:

- 4:1 Exceptionality and special Education
 - (i) Categories of Exceptionality
 - (ii) Labelling and educational relevance
 - (iii) physically challenged students
 - (iv) students with cognitive disabilities or brain dysfunction and communication disorders.

- 4:2 Students with emotional and behaviour disorders.
 - (i) Attentional deficit disorder (ADD),
 - (ii) Attentional deficit Hyperactivity disorder (ADHD)
 - (iii) Gifted and talented students.
- 4:3 Specific learning and reading disability
- 4:4 Intervention and special education for various forms of exceptionality mainstreaming

REFERENCES :

- 1 L.D. AMD Crow : Educational psychology (Rev. ed.) New York American Book Co. 1958)
- 2 C.E. Ikiner : Elementary Educational Psychology, (2nd Ed., New York, Prentice Hall 1953)

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT
M.A. (SEMESTER –II)
HOME SCIENCE – ICT- 02
RESEARCH METHODOLOGY- II
With Effect From 2014- 2015

Total credits- 04

Theory- 4 Credits

Theory- External - 50 Marks

Internal - 20 Marks

OBJECTIVES:-

To enable students to.....

1. Understand the signification of research.
2. Develop ability to construct data gathering instruments appropriate to the research design and
3. Develop ability to present and interpret data in a research report of thesis.
4. Understand the role of statistics in research and
5. Apply statistical techniques to research data for analyzing and interpreting data meaningfully.

COURSE CONTENT

UNIT- I

1:1 Collection of data:

Questionnaires, Interviews, Observation Scaling methods, reliability and validity of measuring instruments.

1:2 Sampling Methods:

Types of samples, selection of sample, benefits of sampling, evaluating a sample.

1:3 Analysis of the Data:

Categorization, Coding, tabulation, and statistical testing.

UNIT- II

2:1 Presentation and Interpretation of the data:

2:3 Conclusion and Recommendations:

Summary techniques, conclusions and recommendations.

UNIT- III

3:1 Report Writing:

- (i) Presentation of report – format, foot notes, bibliographical citations.

- (ii) Preparation of an abstract
- (iii) Paper for publication

3:2 **Correlation and Regression:**

Correlation: Meaning, definition, types, scatter diagram, coefficient of correlation, Karl Pearson's product moment, Formula for correlation, Coefficient of rank correlation.

Regression: Meaning, Regression lines, Properties, Estimation of Parameters.

UNIT- IV

4.1 Probability: Definition, Concept of probability, distributions, Normal conditional probability.

Probability distribution: Normal distribution & properties.

4:2 Element of testing a statistical hypothesis: Definition of Type I and Type II errors levels of significance. Large sample tests for proportions. Difference in proportions for means and difference in means. Z, T, F and application of chi-square tests, Goodness of fit.

REFERENCES

- 1 Good C.V. and Carter, D.E., Methods of Research, Educational, Psychological, Sociological Applications, Century Crafts. New York, 1954.
- 2 Best, J.W., Research in Education, Prentice. Hall, New Delhi, 1983.
- 3 Kerlinger Foundations of Behavioral research, New York, Holt, Rinehart and Winson Inc 1966.
- 4 Doby, J T. An Introduction to Social Research, Appleton Century Crafts 1967.
- 5 Philips, B.S., Social Research Strategy and tactics, Mac Millan, 1977.
- 6 Young, P.V. and Schmid, C F Scientific Social Survey and Research, Prentice Hall New Delhi 1968.
- 7 Devdas, R.P. and Kulandaivel K. Hand book & Research Methodology, Sri Ramakrishna Mission Vidhyalaya 1971.
- 8 Shakla M. C. and Gulshan S.S. statistics, Theory and Practice, Sultanchand co. New Delhi 1970.
- 9 Gupta, S.P., Statistical Methods, Sultanchand & Co. New Delhi 1970.
- 10 Devendra Thakur., Research Methodology in social sciences
- 11 Dr. Gajendra B. Shukla & Dr. R. K. Naik., Research Methodology
- 12 A. G. Shah & J. K. Dave., An Introduction to research Methods and Statistical Analysis in Sociology. (Anada Book Depo.)
- 13 A. G. Shah & Jagadish K. Dave., Research Methods Of Sociology.